Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/15/2019 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125398	0	3.17	125448	3.14
Blue	F	SSC	125000	122527	-2	4.89	123370	4.83
Blue	E	FITC	16694	16423	-2	4.6	380	22.15
Blue	D	PE	32792	32140	-2	3.9	710	17.66
Blue	B	PerCP-Cy5-5	44451	44518	0	5.49	1217	24.5
Blue	A	PE-Cy7	33645	33850	0	8.04	608	50.49
Red	C	APC	47008	46671	-1	3.32	1806	13.7
Red	A	APC-Cy7	32298	31957	-2	3.22	793	14.46
Violet	B	V450	8961	8689	-4	5.03	493	14.93
Violet	A	V500	32726	31788	-3	4.87	767	11.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20453	4.93	617	4	N/A	N/A	Pass
Blue	F	SSC	55588	4.15	589	21	N/A	N/A	Pass
Blue	E	FITC	64	74.13	573	10	0.0159	189	Pass
Blue	D	PE	138	60.86	577	11	0.1060	244	Pass
Blue	B	PerCP-Cy5-5	226	57.39	684	13	0.0064	10	Pass
Blue	A	PE-Cy7	115	127.62	739	13	0.0081	24	Pass
Red	C	APC	412	29.57	615	2	0.0185	157	Pass
Red	A	APC-Cy7	195	32.03	586	1	0.0043	841	Pass
Violet	B	V450	77	64.46	482	-4	0.0366	1829	Pass
Violet	A	V500	110	36.31	492	-4	0.0184	641	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.61	-32.26	1.13
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	16.97	13.60 - 20.40	N/A	N/A	29.38	29.87	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10745

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments